

IN THE CLAIMS

Please amend the claims as follows:

1. ~~Television A television system~~ comprising a tuner for tuning video signals, a controller for controlling said tuner, and a stage for receiving tuned signals from said tuner and for supplying at least one control signal to said controller, wherein said stage comprises a phase-locked-loop ~~coupled to receive said tuned signals, said phase-locked loop generating a lock signal when locked to said tuned signals, said lock signal forming, with said at least one control signal comprising a lock signal originating from said phase locked loop for said controller.~~
2. ~~Television The television system according to as claimed in~~ claim 1, wherein said television system comprises a synchronization generator for synchronizing video signals originating from said stage and for supplying at least one synchronization signal to said controller, ~~said controller comprising which comprises a switch~~ for, in dependence of said lock signal, taking ~~or not taking~~ into account said synchronization signal ~~or not~~.
3. ~~Television The television system according to as claimed in~~ claim 2, wherein said controller, in a fast tuning mode, controls said tuner such that one or more frequencies nearby one or more active channels are detected, with said controller, in a fine

tuning mode, controlling said tuner such that one or more channel frequencies are identified.

4. ~~Television The television system according to~~as claimed in claim 3, wherein ~~said controller receives a further control signal, and wherein~~ said stage comprises an intermediate frequency stage having means for generating a fine tuning signal, ~~said fine tuning signal for supplying said control signal further comprising a fine tuning signal to said controller~~said further control signal.

5. ~~Television The television system according to~~as claimed in claim 4, wherein a number of channels are predefined channels in accordance with a frequency table.

6. ~~Television The television system according to~~as claimed in claim 5, wherein said lock signal is a phase-locked-loop lock bit derived from an alternating current content of an oscillator input signal in said phase-locked-loop.

7. ~~Controller A controller~~ for use in television system comprising a tuner for tuning video signals and said controller for controlling said tuner and a stage for receiving tuned signals from said tuner and for supplying at least one control signal to said controller, wherein said stage comprises a phase-locked-loop ~~coupled to receive said tuned signals, said phase-locked loop generating a lock signal when locked to said tuned signals, said~~

~~lock signal forming, with said at least one control signal comprising a lock signal originating from said phase locked loop for said controller.~~

8. ~~Controller according to~~ The controller as claimed in claim 7, wherein said television system comprises a synchronization generator for synchronizing video signals originating from said stage and for supplying at least one synchronization signal to said controller ~~which comprises, said controller comprising~~ a switch for, in dependence of said lock signal, taking ~~or not taking~~ into account said synchronization signal ~~or not~~.

9. ~~Method A method~~ for use in television system comprising a tuner for tuning video signals and a stage for receiving tuned signals from said tuner, ~~which said method comprises comprising~~ the steps of:

~~controlling tuning said tuner to one of a plurality of frequencies at which video signal should be located;~~

~~determining whether a channel is active at the tuned frequency using in response to at least one control signal originating from said stage, wherein said stage comprises a phase-locked-loop in said stage, said phase-locked loop being coupled to an output of the tuner and generating a lock signal in response thereto; and~~

~~controlling the tuner, with said a control signal comprising a said lock signal originating from said phase locked loop.~~

10. ~~Processor program product~~A computer-readable medium for use in television system comprising a tuner for tuning video signals~~and, a stage for receiving tuned signals from said tuner and a controller, which processor program product~~said computer-readable medium having programming instructions stored thereon for causing the controller to ~~comprises the function of controlling said tuner in response to at least one control signal originating from said stage, wherein said stage comprises a phase locked loop, with said control signal comprising a lock signal originating from said phase locked loop~~execute the method as claimed in claim 9.